

Ocean County



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Beachwood and Veeder Avenues Well Contamination

Beachwood and Veeder Avenues

Dover Township

Ocean County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Unknown Source
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

CONTAMINANTS

STATUS

Ground Water

Mercury

Confirmed

Potable Water

Mercury

Treating

FUNDING SOURCES













AMOUNT AUTHORIZED

Spill Fund

\$9,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted in 1996 as part of Ocean County's real estate transfer regulations identified seven private potable wells in this area that were contaminated with mercury. NJDEP installed Point-of-Entry Treatment (POET) water filtration systems in the affected homes as an interim measure to provide potable water for those residents. Between 1997 and 1998, NJDEP sampled additional potable wells in the area to delineate the Currently Known Extent (CKE) of the contamination and conducted a Remedial Action Selection (RAS) to evaluate cleanup alternatives. Based on the findings of the RAS, NJDEP is recommending installation of public water lines to replace the private potable wells at the 75 homes encompassed by the CKE. NJDEP will enter into third party contracts with United Water Toms River and Dover Township for construction of the water lines and connection of the residences.

PROJECT NAME	R/FS	DESIGN	CONSTR	O&M	
Receptor Control (POETS)					 Planned
Sitewide					 Underway
					 Completed
					 Not Required

Brooks Avenue Ground Water Contamination

Brooks Avenue

Berkeley Township

Ocean County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Unknown Source
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Benzene
1,2 Dichloroethane

STATUS

Confirmed

Potable Water

Benzene
1,2 Dichloroethane

Alternate Water Supply
Provided

FUNDING SOURCES













Spill Fund

AMOUNT AUTHORIZED

\$93,500

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

The Ocean County Health Department determined that nine private potable wells in this area were contaminated with volatile organic compounds in 1993. NJDEP provided with the homeowners with Spill Fund monies to install Point-of-Entry Treatment (POET) water filtration systems on their wells as an interim solution. In 1995, using Spill Fund money supplied by NJDEP, Berkeley Township installed a public water line in the area as a permanent solution and connected the affected residences. NJDEP is conducting a preliminary assessment and site investigation to determine the source of the ground water contamination.

PROJECT NAME	RI/FS	DESIGN	CONSTR	O&M	
Receptor Control (POETS)					 Planned
Water Line					 Underway
					 Completed
					 Not Required

Denzer & Schafer X-Ray Company

Hickory Lane

Berkeley Township

Ocean County

BLOCK: 858 **LOT:** 46A

CATEGORY: Superfund
State Lead

TYPE OF FACILITY: Reclamation-Metal
OPERATION STATUS: Inactive

PROPERTY SIZE: 5 Acres

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds
Metals

STATUS

Delineated/Levels Not
of Concern

FUNDING SOURCES

Superfund
General State Fund

AMOUNT AUTHORIZED













\$1,513,000
\$556,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

The Denzer & Schafer X-Ray Company formerly operated a silver reclamation facility at this site. The industrial process involved using caustic chemical solutions to strip silver from x-ray film. Between 1974 and 1981, the facility discharged its process waste water to an underground septic system. In 1981, NJDEP ordered the facility to cease the discharge to the septic system, and required the owner to install monitor wells to determine whether ground water quality at the site had become degraded due to past discharges. Sampling of the monitor wells confirmed that the underlying shallow aquifer was contaminated with volatile organic compounds and metals. Due to the potential for the contamination to migrate downward and affect domestic and public water supply wells in the area, USEPA placed the Denzer & Schafer facility on the National Priorities List (NPL) of Superfund sites in 1983.

In 1987, NJDEP began a Remedial Investigation and Feasibility Study (RI/FS) to determine the nature and extent of the contamination and identify cleanup options. The RI/FS revealed that the volatile organic contamination that was detected in the ground water early in the investigation had largely dissipated due to natural biodegradation and attenuation. The RI/FS also revealed that the metals contamination in the ground water did not pose a risk to any private or public wells. In 1995, based on these findings, NJDEP issued a Record of Decision (ROD) with USEPA concurrence that called for no action with monitoring. Under the no action with monitoring remedy, there will be no action to address the residual ground water contamination, and monitoring of the ground water, surface water and sediments will be conducted for a period of five years. The ROD also required that a ground water Classification Exception Area be established at the site to ensure that proper precautions are taken if any new supply wells are installed at the property.

Shortly after the ROD was signed, the owner of the Denzer & Schafer company abandoned the facility and left drums of hazardous materials inside the process building and in a storage trailer that was parked on site. USEPA disposed of the drums of hazardous materials during a Removal Action in 1996, and a private party interested in developing the area subsequently demolished and disposed of the building. USEPA deleted this site from the NPL in December 1998. Environmental monitoring is scheduled to continue for the next several years pursuant to the requirements of the ROD.

PROJECT NAME	RI/FS	DESIGN	CONSTR	O&M	
EPA Removal Action					 Planned
Sitewide					 Underway
					 Completed
					 Not Required

Exxon Service Station Lakehurst Borough

Route 70 and Eisenhower Circle

Lakehurst Borough

Ocean County

BLOCK: 31 **LOT:** 1

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Service Station
OPERATION STATUS: Abandoned

PROPERTY SIZE: 1 Acre

SURROUNDING LAND USE: Commercial/Residential

MEDIA AFFECTED	CONTAMINANTS	STATUS
Ground Water	Gasoline	Treating
Potable Water	Gasoline	Levels Not of Concern
Soil	Gasoline	Removed/Delineating

FUNDING SOURCES

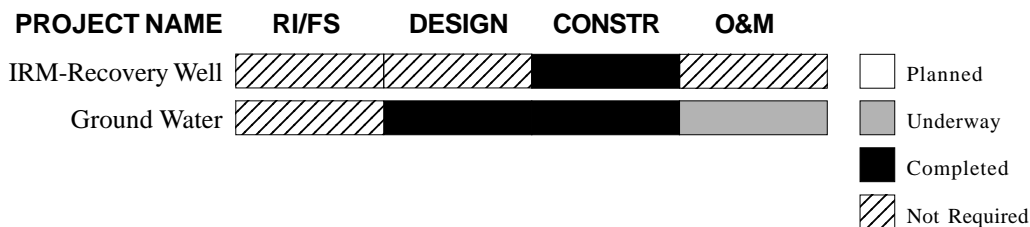
Spill Fund
Hazardous Discharge O&M Fund

AMOUNT AUTHORIZED

\$994,000
\$430,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

A service station operated at this site from the early 1950s until 1985. In 1986, tests indicated that several of the underground gasoline storage tanks at the site had leaked. Later that year, NJDEP conducted an Interim Remedial Measure (IRM) to address the gasoline contamination in the soil and ground water. The IRM involved excavating and removing the tanks and approximately 400 cubic yards of contaminated soil, and installing a free-product recovery system to remove gasoline that was floating on the water table. In 1988, NJDEP installed an extraction and treatment system to remove the dissolved gasoline from the ground water. Two of Lakehurst Borough's municipal wells that had been taken out of service due to the contamination were restored to service after the extraction and treatment system achieved hydraulic control of the ground water plume. Sampling of the on-site monitor wells conducted in 1995 showed that the ground water was free of contamination except at one area where subsurface soil contamination remains. NJDEP installed an air sparging/soil vapor extraction system to treat the residual soil contamination in this area and enhance the performance of the ground water treatment system in 1997. The ground water treatment system and air sparger/soil vapor extraction system are expected to be in operation until early 1999. After the remediation systems have been shut down, NJDEP will continue to conduct periodic sampling of the ground water to evaluate the effectiveness of the remedial action at the site.



Fuelmart Incorporated

Route 571

Jackson Township

Ocean County

BLOCK: 46.02 **LOT:** 1

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Gas station
OPERATION STATUS: Inactive

PROPERTY SIZE: .33 Acre

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

CONTAMINANTS

STATUS

Ground Water

Gasoline

Delineating

Soil

Gasoline

Partially Removed/
Delineating

Air (Indoor)

Gasoline Vapors

Removed

FUNDING SOURCES

AMOUNT AUTHORIZED

Spill Fund

\$6,000

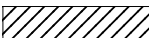
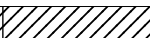










1986 Bond Fund

\$94,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

A leaking underground storage tank at this former service station caused the soil and ground water to become contaminated with gasoline. The contamination first became evident in 1992, when gasoline vapors that had accumulated in the soil migrated to a nearby property and caused an outdoor well pit to explode. NJDEP immediately made emergency modifications to the pumping system of the well pit to reduce the explosion hazard. The private potable well at the service station and other nearby properties were subsequently sampled and found to be free of gasoline-related compounds. The service station owner later removed one leaking tank and some of the contaminated soil.

In 1996, NJDEP began an initial Remedial Investigation (RI) to determine the extent of the soil and ground water contamination at the site. Preliminary results of the RI indicate that there are elevated levels of gasoline compounds present in the ground water, but there is little off-site migration. NJDEP plans to install additional monitoring wells in order to determine whether active remediation of the ground water is necessary. NJDEP is also delineating the soil contamination and evaluating the remaining underground tanks to determine whether they should be removed. Any remaining contaminated soil will be addressed as part of the tank removal project.

PROJECT NAME	RI/FS	DESIGN	CONSTR	O&M	
Vapor Abatement					 Planned
Sitewide					 Underway
					 Completed
					 Not Required

Harborage Avenue and Dockage Road Ground Water Contamination

Harborage Avenue and Dockage Road

Berkeley Township Ocean County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Unknown Source
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

1,2 Dichloroethane
Tetrachloroethylene
Trichloroethylene

STATUS

Confirmed

Potable Water

1,2 Dichloroethane
Tetrachloroethylene
Trichloroethylene

Alternate Water Supply
Provided

FUNDING SOURCES













Spill Fund

AMOUNT AUTHORIZED

\$79,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

In 1991, the Ocean County Health Department determined that 10 private potable wells in this neighborhood were contaminated with chlorinated volatile organic compounds. In 1994, the homeowners installed Point-of-Entry Treatment (POET) water filtration systems on their wells as an interim solution, and the following year the Township extended public water lines to the homes as a permanent remedy. NJDEP provided Spill Fund monies for both the installation of the POETs and the water line. NJDEP is conducting a preliminary assessment and site investigation to determine the source of the ground water contamination.

PROJECT NAME	R/IFS	DESIGN	CONSTR	O&M	
Receptor Control (POETS)					 Planned
Receptor Control (Water Line)					 Underway
					 Completed
					 Not Required

Nicoletti Road Ground Water Contamination

Nicoletti and Ridgeway Roads and Johnson Avenue

Manchester Township

Ocean County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Unknown Source
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Mercury

STATUS

Confirmed

Potable Water

Mercury

Treating

FUNDING SOURCES









Spill Fund

AMOUNT AUTHORIZED

\$25,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

In 1994, the Ocean County Health Department determined that 12 private potable wells in this area were contaminated with mercury. NJDEP installed Point-of-Entry Treatment (POET) water filtration systems in the affected homes later that year as an interim remedy to provide potable water for those residents. The Township, working in cooperation with a private contractor, has installed a water line as a permanent solution. Service connections and a portion of the connection fees for the affected homes are being funded by NJDEP. NJDEP is conducting a preliminary assessment and site investigation to determine the source of the ground water contamination.

PROJECT NAME	RI/FS	DESIGN	CONSTR	O&M	
Receptor Control (POETS)					 Planned
					 Underway
					 Completed
					 Not Required

North Maple Avenue Ground Water Contamination

North Maple Avenue

Dover Township

Ocean County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Unknown Source
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Confirmed

Potable Water

Volatile Organic Compounds

Alternate Water Supply
Provided

FUNDING SOURCES









Spill Fund

AMOUNT AUTHORIZED

\$54,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

In December 1993, the Ocean County Health Department determined that five private potable wells in this area were contaminated with volatile organic compounds. NJDEP connected all of the affected residences to a public water line in 1994. NJDEP is conducting a preliminary assessment and site investigation to determine the source of the ground water contamination.

PROJECT NAME	R/FS	DESIGN	CONSTR	O&M	
Receptor Control (Water Line)					 Planned
					 Underway
					 Completed
					 Not Required

Western Boulevard Ground Water Contamination

Western Boulevard and Manhattan and Hoover Avenues

Berkeley Township

Ocean County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Unknown Source
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Tetrachloroethylene
Trichloroethylene

STATUS

Confirmed

Potable Water

Tetrachloroethylene
Trichloroethylene

Treating

FUNDING SOURCES









Spill Fund

AMOUNT AUTHORIZED

\$10,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

In 1995, the local health department determined that seven private potable wells in this area were contaminated with chlorinated volatile organic compounds. The following month, Berkeley Township, using Spill Fund monies provided by NJDEP, installed Point-of-Entry Treatment (POET) water filtration systems in the seven homes as an interim remedy to provide potable water for those residents. NJDEP subsequently conducted a water supply alternative analysis which concluded that the continued use of POETs in the affected homes was the most cost-effective long-term solution. NJDEP also is conducting a preliminary assessment and site investigation to determine the source of the ground water contamination.

PROJECT NAME	R/FS	DESIGN	CONSTR	O&M	
Receptor Control (POETS)					 Planned
					 Underway
					 Completed
					 Not Required

